

FIG. 1A  
PRIOR ART

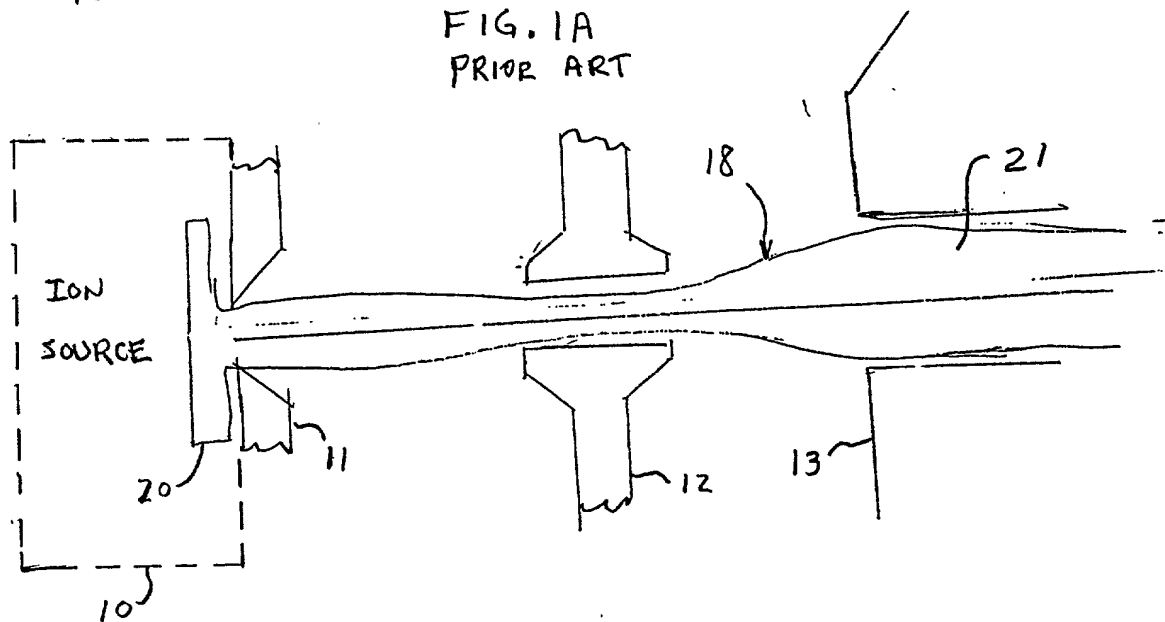


FIG. 1B  
PRIOR ART

098855-11001

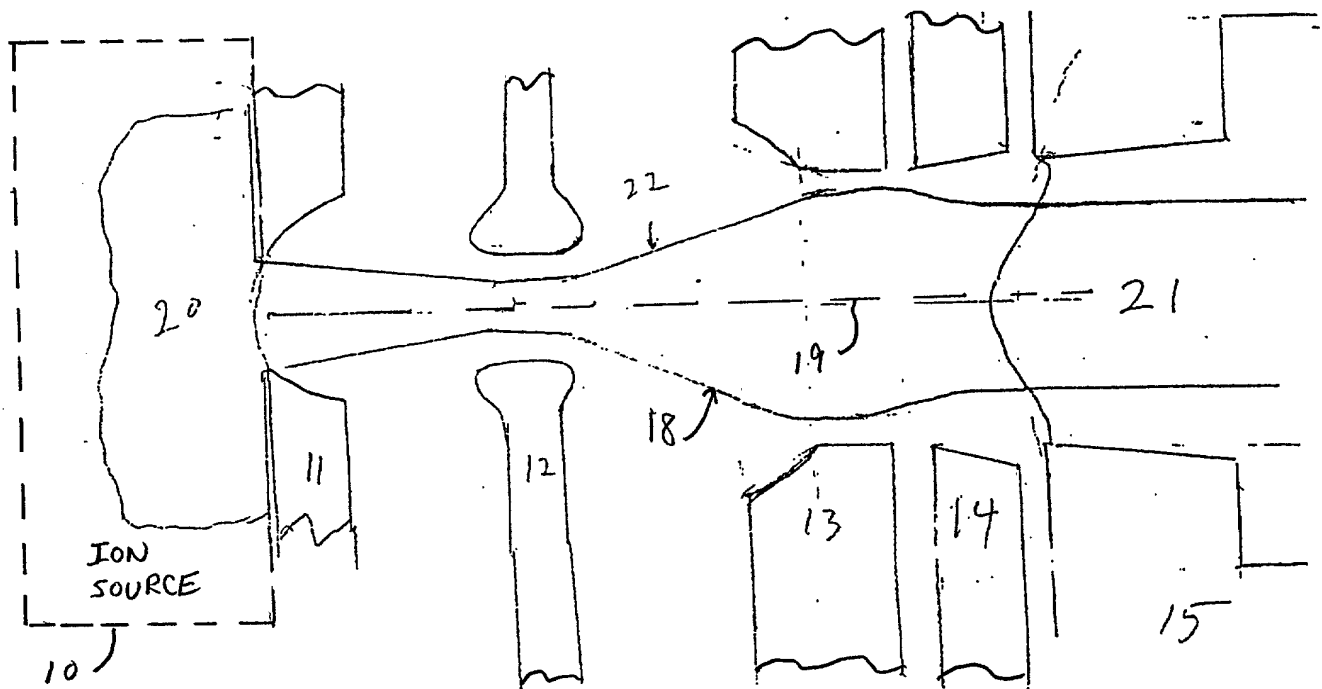


FIG. 2

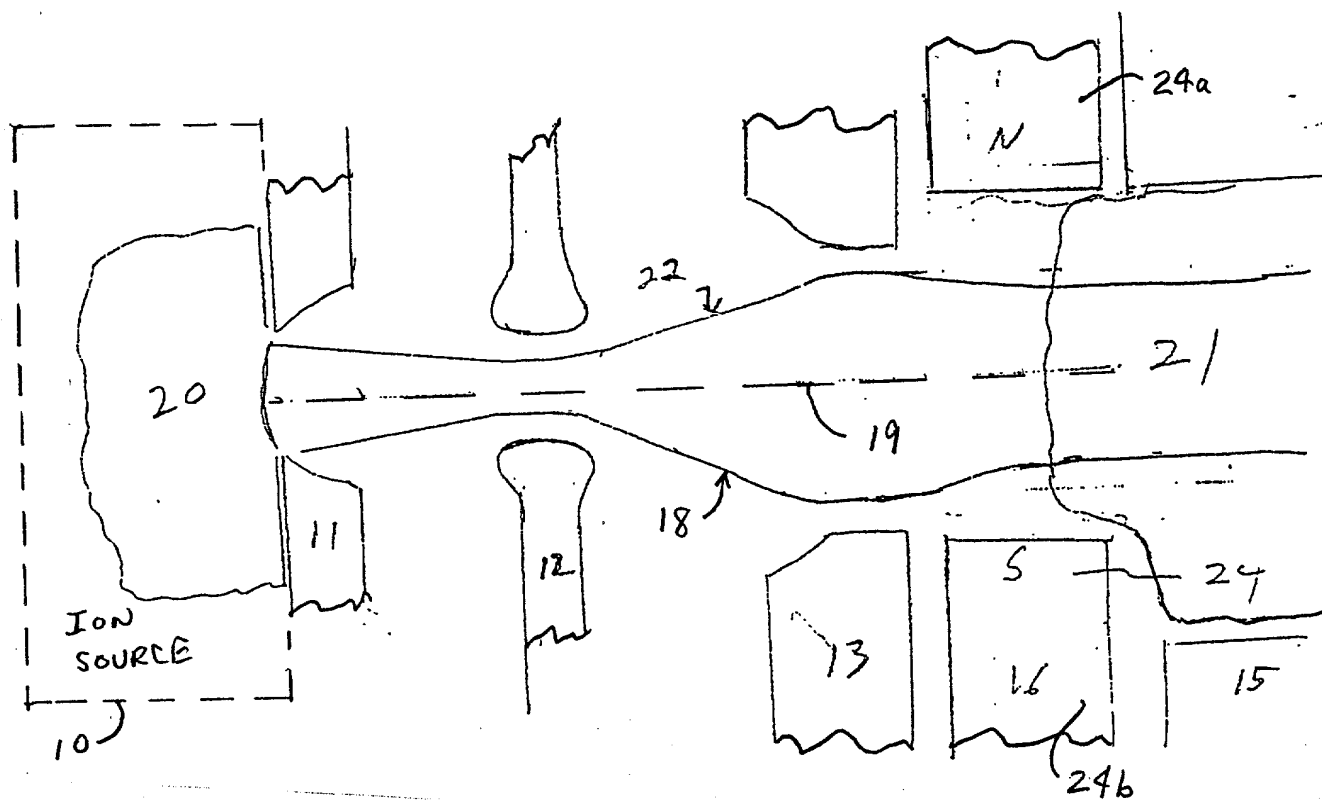


FIG. 3

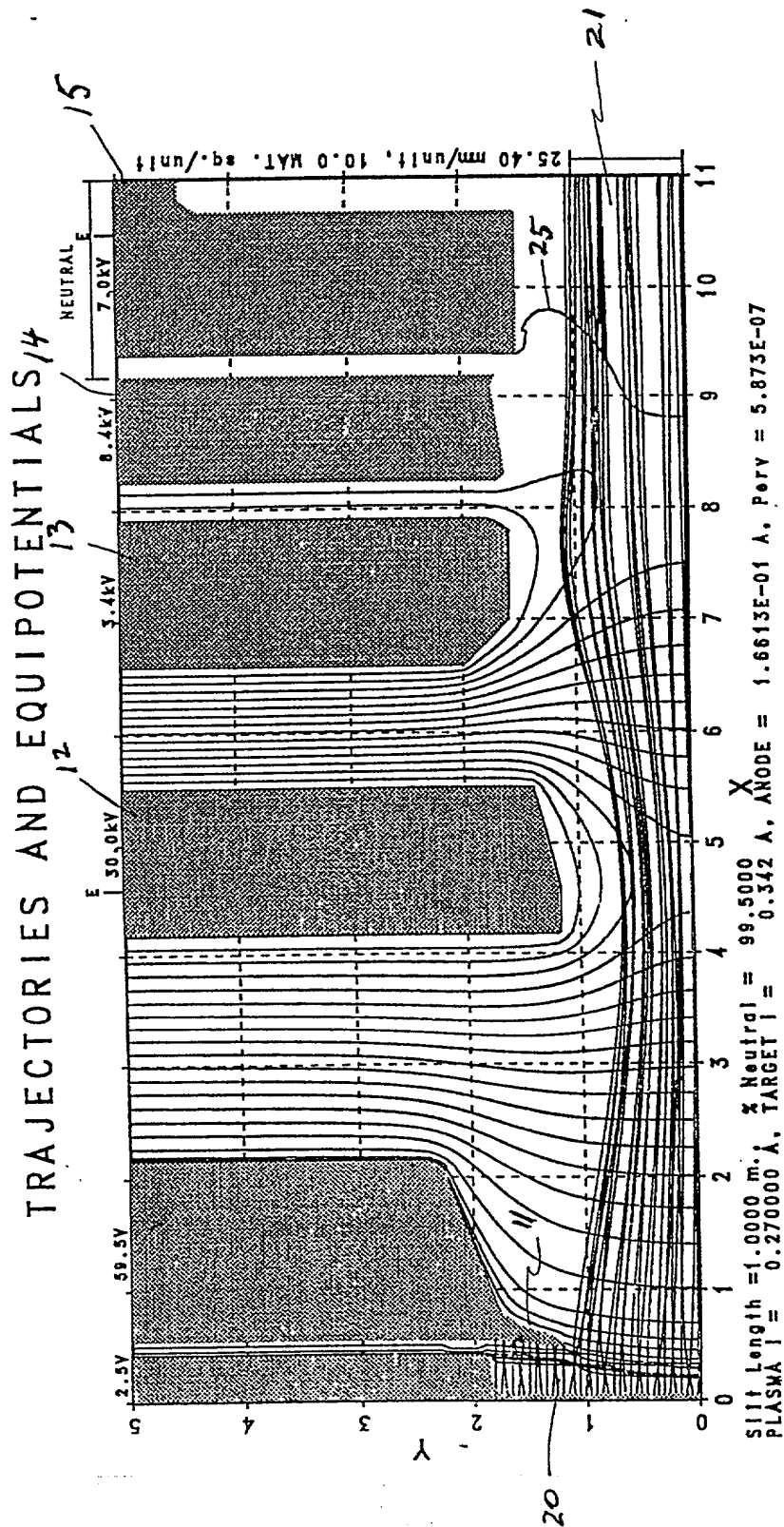
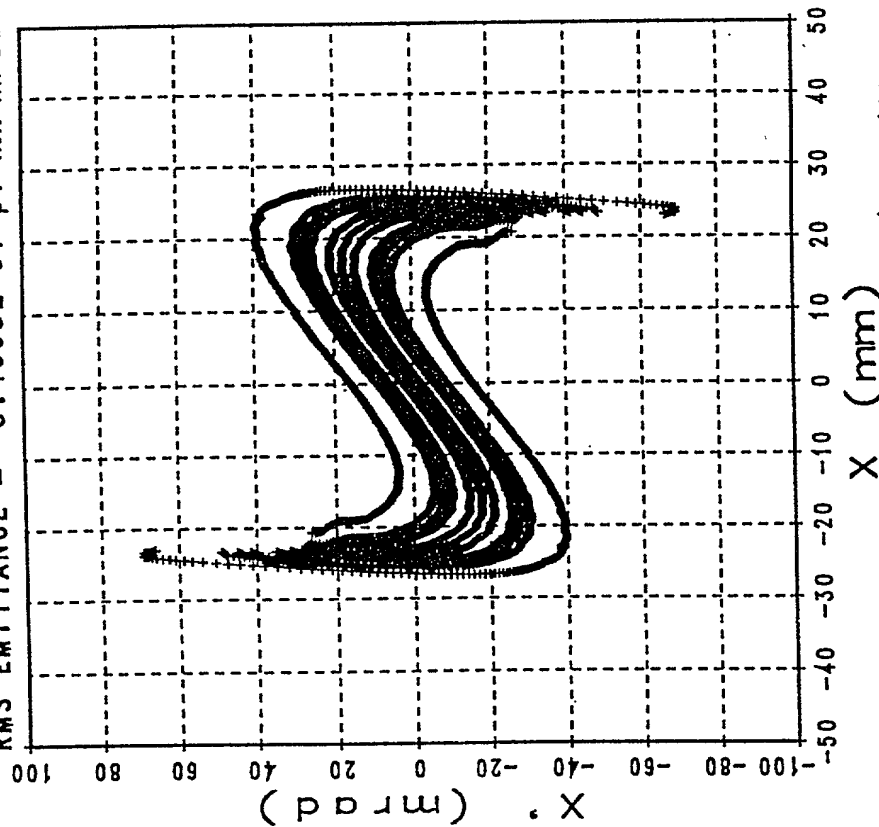


FIG. 4A

# EMITTANCE PLOT

RMS EMITTANCE = 3.4663E-01 pi\*mm\*mrad

Alpha -0.244193  
 Beta - mm/mrad 1.036728  
 Gamma - mrad/mm 1.022091  
 Beam Current- A 0.171111



No. of Rays = 5760; at Matrix No. = 106  
 BRIGHTNESS = 288.591  
 BEAM SLOPE = 0.000 mrad, OFFSET = 0.0000 mm

FIG. 4B



FOOT " 5958

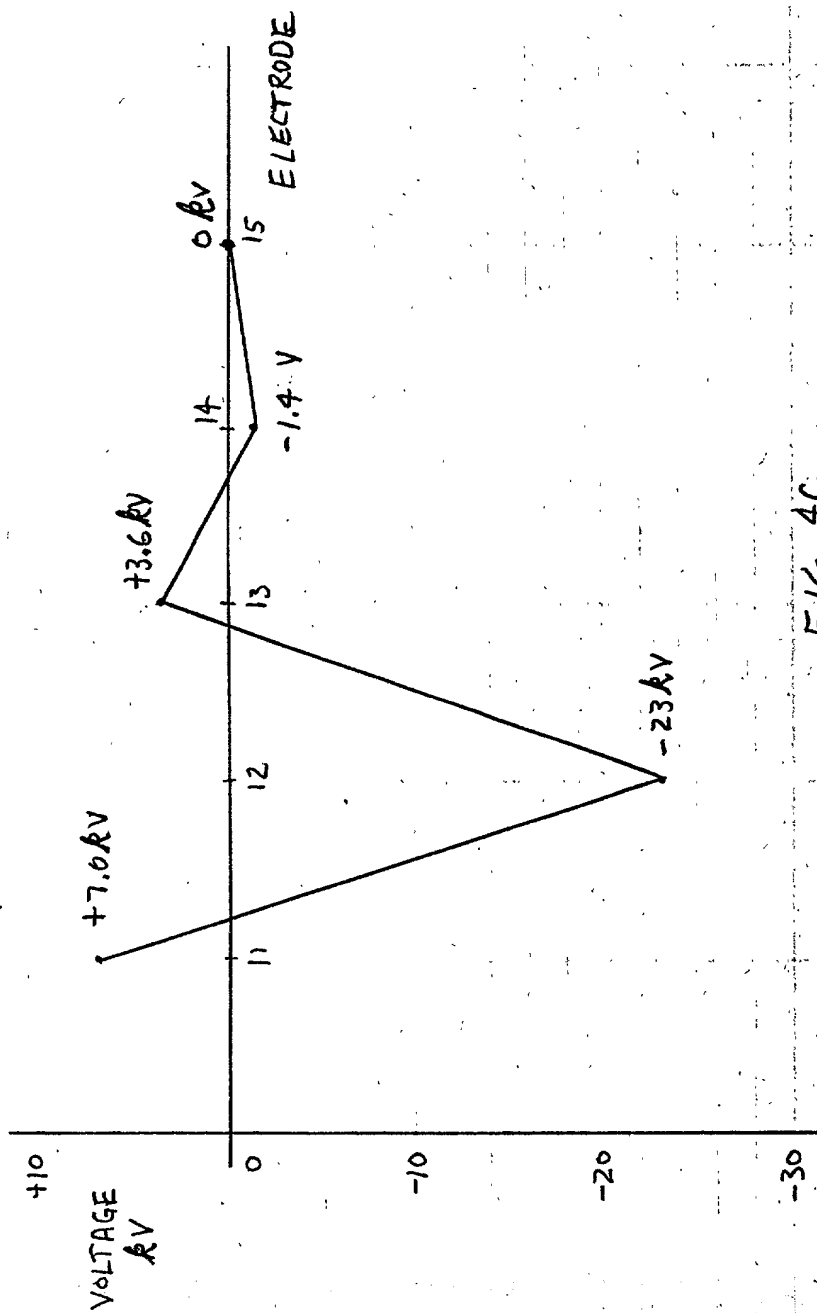


FIG. 4C

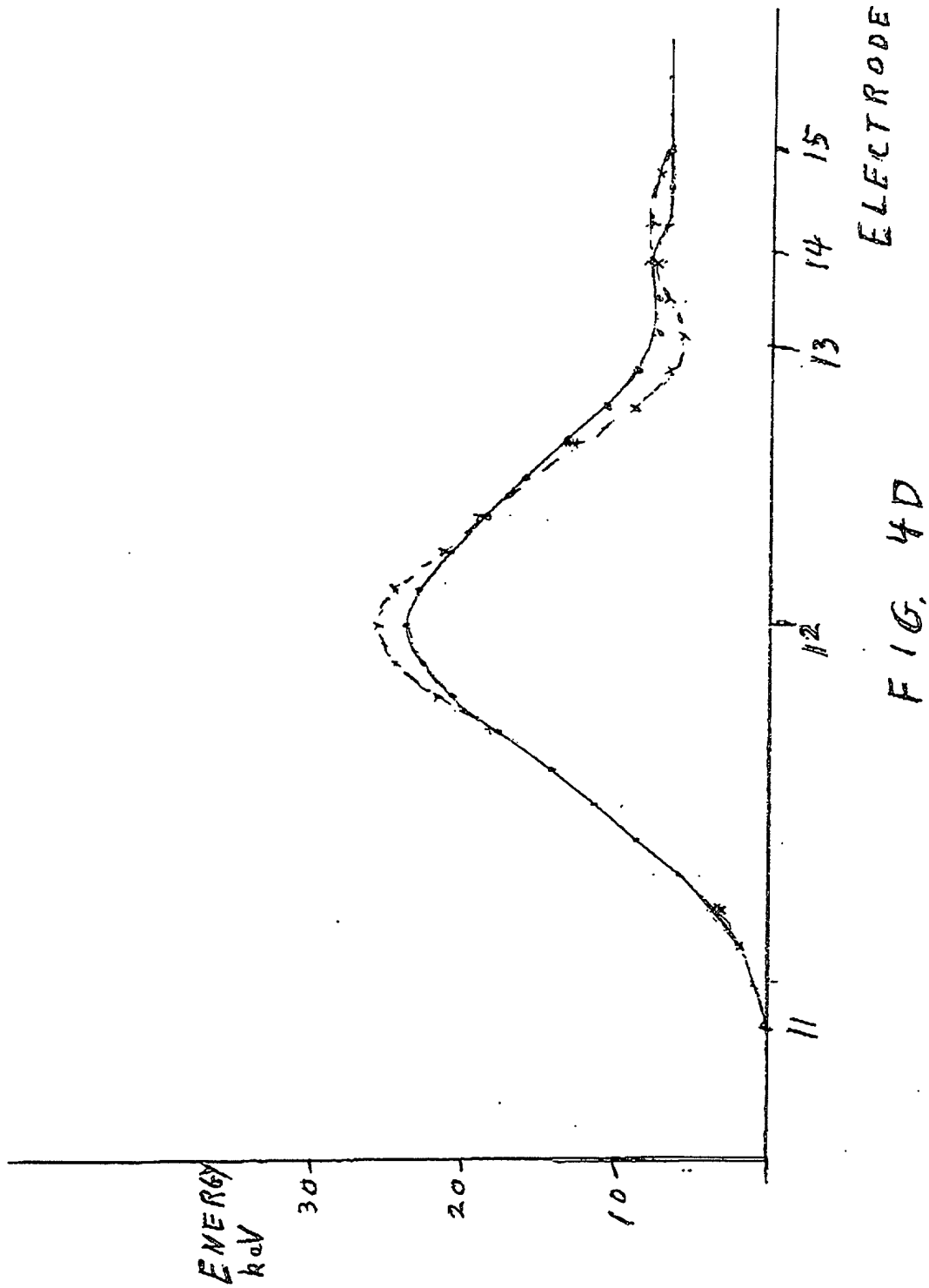


FIG. 4D

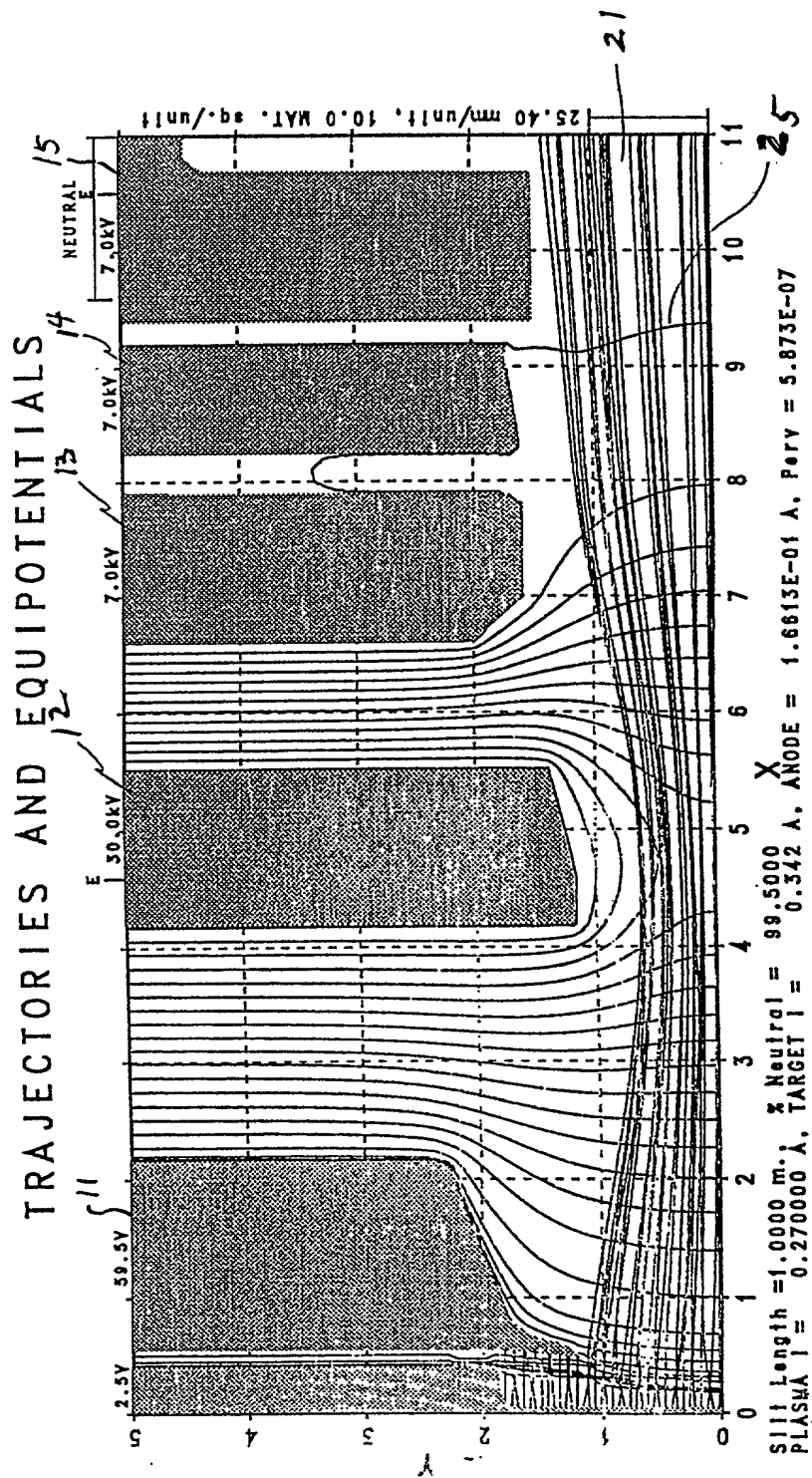
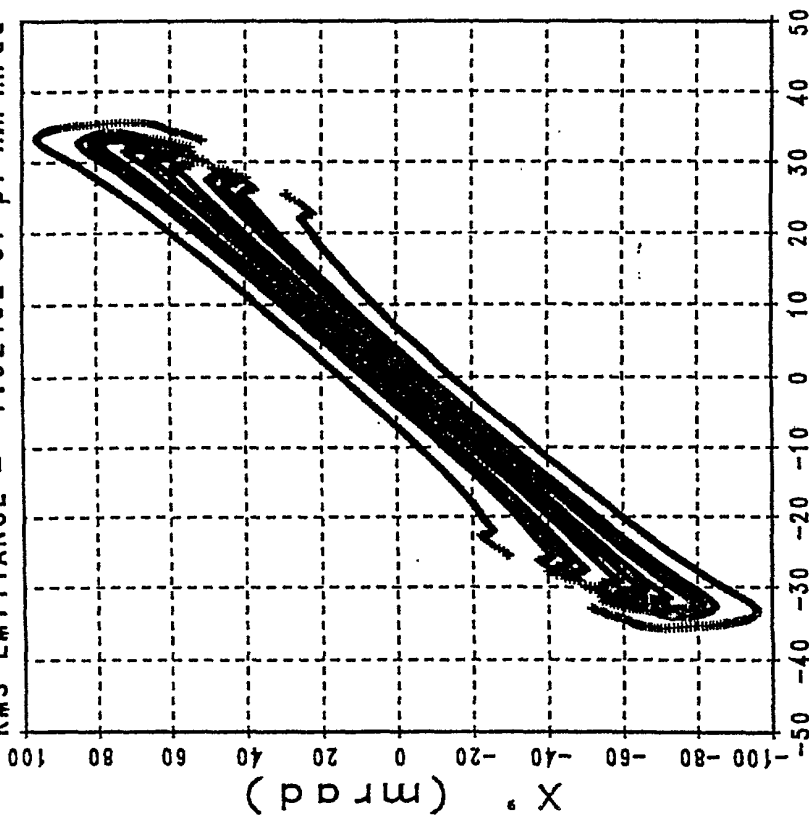


FIG. 5A

# EMITTANCE PLOT

RMS EMITTANCE =  $1.9249 \times 10^{-1}$   $\pi \cdot \text{mm} \cdot \text{mrad}$



Alpha  
-5.737340  
Beta - mm/mrad  
2.700052  
Gamma - mrad/mm  
12.561638  
Beam Current- A  
0.171111

No. of Rays = 5760, at Matrix No. = 106  
BRIGHTNESS = 935.852  
BEAM SLOPE = 0.000 mrad, OFFSET = 0.0000 mm

FIG. 5B



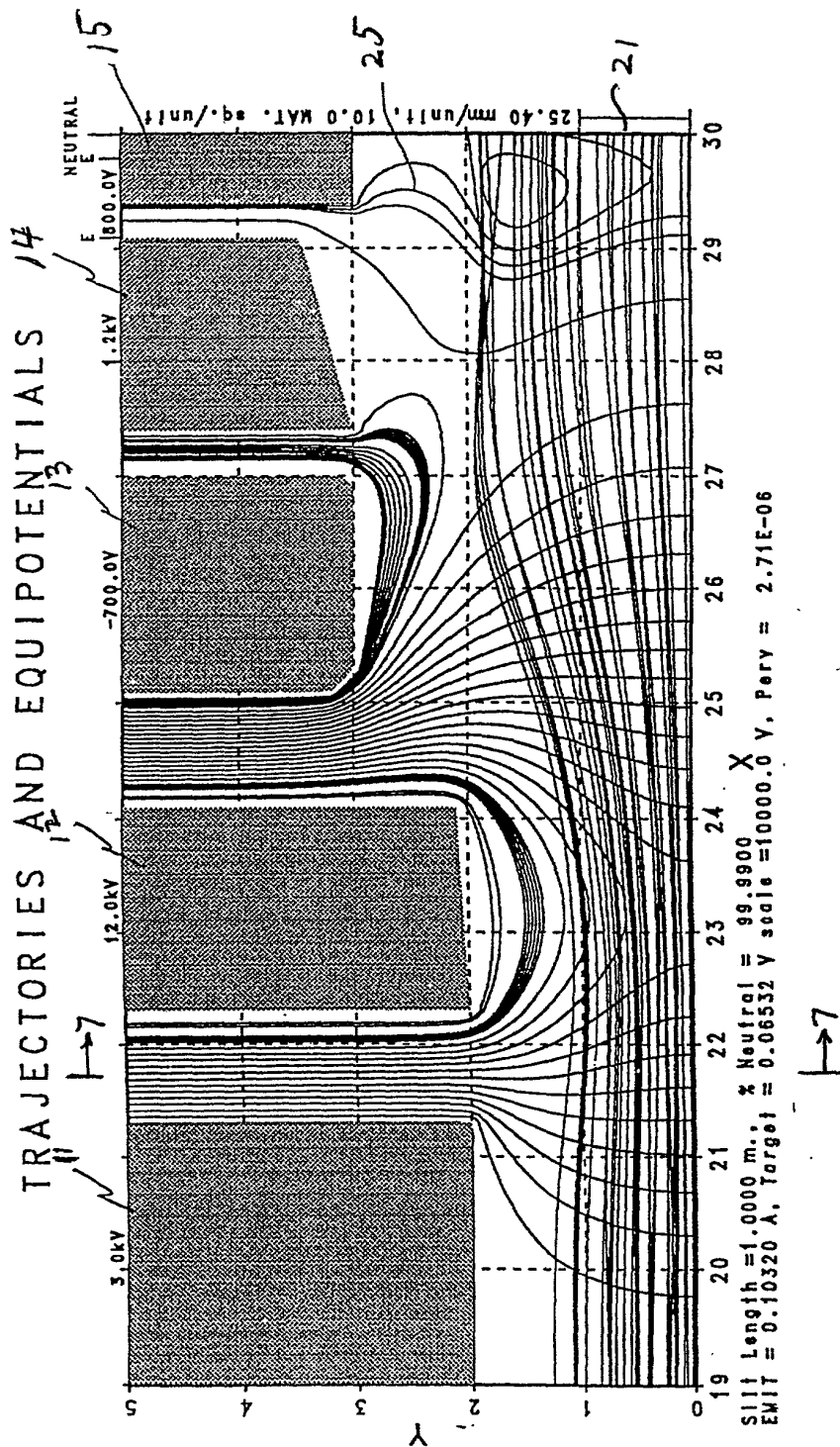
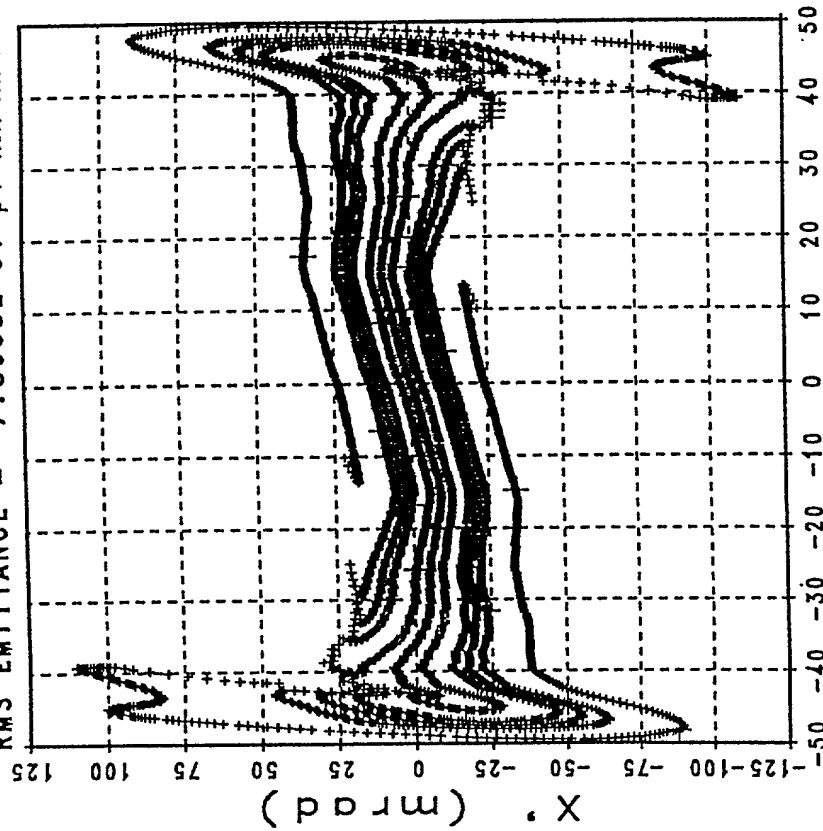


FIG. 6A

# EMITTANCE PLOT

RMS EMITTANCE = 7.8068E-01  $\mu\text{m} \cdot \text{mrad}$



Alpha  
-0.010949  
Beta - mm/mrad  
1.164102  
Gamma - mrad/mm  
0.859134  
Beam Current - A  
0.032659

No. of Rays = 5765, at Matrix No. = 102  
BRIGHTNESS = 10.859  
BEAM SLOPE = 0.000 mrad, OFFSET = 0.0000 mm

FIG. 6B

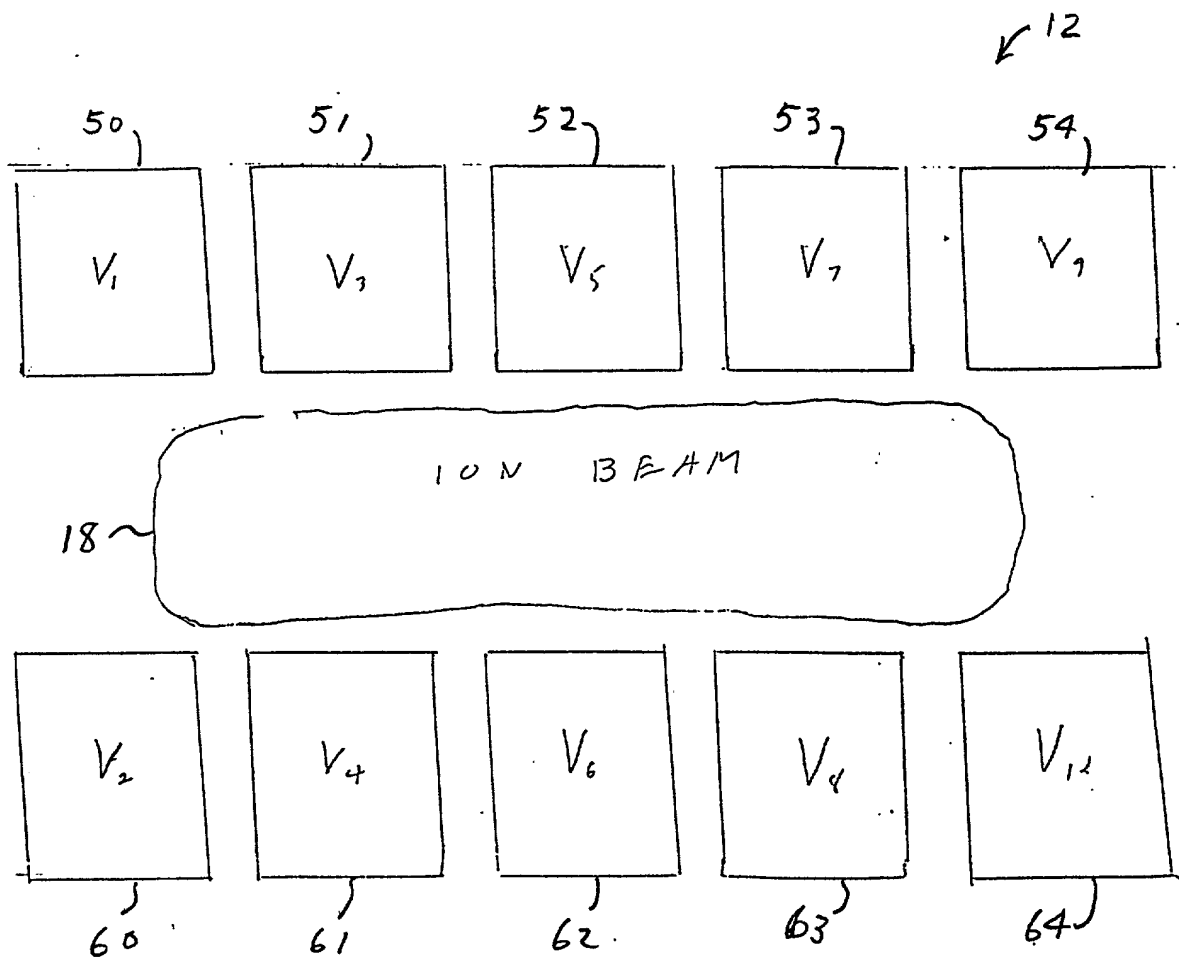


FIG. 7